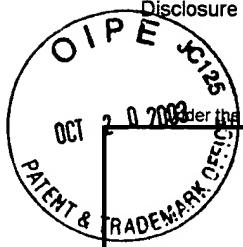


JMcAuley 2003

Attorney Docket No. 108298543US  
Disclosure No. 00-1035



PTO/SB/21 (05-03)

Approved for use through 04/30/2003. OMB 0651-00321  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission	5*	Application Number	09/945,167
		Filing Date	August 30, 2001
		First Named Inventor	Ulrich C. Boettiger
		Art Unit	2851
		Examiner Name	David B. Esplin

108298543US

**ENCLOSURES (Check all that apply)**

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Other Enclosures: Cited References (11); Return Receipt Postcard
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Request for Refund	
<input checked="" type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> CD, Number of CD(s)	
<input type="checkbox"/> Certified Copy of Priority Document(s)		
<input type="checkbox"/> Response to Missing Parts/ Incomplete Application		
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

Remarks

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm or Individual name	John M. Wechkin Registration No. 42,216
Signature	
Date	Oct. 15, 2003

**CERTIFICATE OF TRANSMISSION/MAILING**

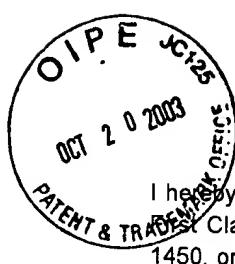
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Typed or printed name	STEPHEN P. WHELAN
Signature	
Date	October 15, 2003

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

\* - Number of Pages does not include Cited References



I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on:

Date: October 15, 2003

By: Stephen P. Whelan  
Stephen P. Whelan

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE APPLICATION OF: ULRICH C. BOETTIGER ET AL.  
APPLICATION No.: 09/945,167  
FILED: AUGUST 30, 2001  
FOR: **METHOD AND APPARATUS FOR  
IRRADIATING A MICROLITHOGRAPHIC  
SUBSTRATE**

EXAMINER: DAVID B. ESPLIN  
ART UNIT: 2851  
CONF. NO: 1582

**Supplemental Information Disclosure Statement Within Three Months  
of Application Filing or Before First Action – 37 C.F.R. § 1.97(b)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

1. Timing of Submission

This information disclosure is being filed within three months of the filing date of this application or date of entry into the national stage of an international application or before the mailing date of a first Office action on the merits, whichever occurs last [37 C.F.R. § 1.97(b)]. The references listed on the enclosed Form PTO-1449 (modified) may be material to the examination of this application; the Examiner is requested to make them of record in the application.

2. Cited Information

Copies of the following references are enclosed:

All cited references

References marked by asterisks

The following:

The following references are not in English. For each such reference, the undersigned has enclosed (i) a translation of the reference; (ii) a copy of

a communication from a foreign patent office or International Searching Authority citing the reference, (iii) a copy of a reference which appears to be an English-language counterpart, or (iv) an English-language abstract for the reference prepared by a third party. Applicant has not verified that the translation, English-language counterpart or third-party abstract is an accurate representation of the teachings of the non-English reference, though, and reserves the right to demonstrate otherwise.

- All cited references
- References marked by ampersands
- The following:

3. Effect of Information Disclosure Statement (37 C.F.R. § 1.97(h))

This Information Disclosure Statement is not to be construed as a representation that: (i) a search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the cited information is, or is considered to be, material to patentability. In addition, applicant does not admit that any enclosed item of information constitutes prior art to the subject invention and specifically reserves the right to demonstrate that any such reference is not prior art.

4. Fee Payment

No fees are believed due because this Information Disclosure Statement is being filed before the mailing date of the first Office Action.

- Applicant further submits that no fee is due in light of the following certification under 37 C.F.R. § 1.97(e) (check only one):
  - In accordance with 37 C.F.R. § 1.97(e)(1), the undersigned hereby states that each item of information submitted herewith was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement; or
  - In accordance with 37 C.F.R. § 1.97(e)(2), the undersigned hereby states that no item of information submitted herewith was cited in a communication from a foreign patent office in a counterpart foreign application, or, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c), more than three months prior to the filing of this statement.

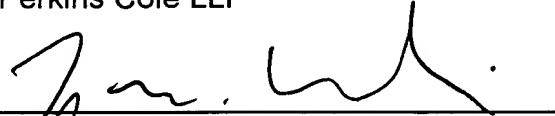
However, should the Commissioner determine that fees are due in order for this Information Disclosure Statement to be considered, the Commissioner is hereby authorized to charge such fees to Deposit Account No. 50-0665.

5. Patent Term Adjustment (37 C.F.R. § 1.704(d))

The undersigned states that each item of information submitted herewith was cited in a communication from a foreign patent office in a counterpart application and that this communication was not received by any individual designated in 37 C.F.R. § 1.56(c) more than thirty days prior to the filing of this statement. 37 C.F.R. § 1.704(d).

Respectfully submitted,  
Perkins Coie LLP

Date: Oct. 15, 2003



John M. Wechkin  
Registration No. 42,216

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Seattle, Washington 98111-1247  
(206) 359-8000



INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT  
Form PTO-1449 (Modified)  
Use several sheets if necessary)

				COMPLETE IF KNOWN	
Sheet		1	of	1	Attorney Docket No. 108298543US
Application Number		09/945,167			
Confirmation Number		1582			
Filing Date		August 30, 2001			
First Named Inventor		Ulrich C. Boettiger			
Group Art Unit		2851			
Examiner Name		David B. Esplin			

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.	U.S. Patent or Application		Name of Patentee or Inventor of Cited Document	Date of Publication or Filing Date of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		NUMBER	Kind Code (if known)			
		5,631,721		Stanton et al.	05/20/1997	
		6,215,578	B1	Lin	04/10/2001	
		6,259,513	B1	Gallatin et al.	07/10/2001	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent or Application		Name of Patentee or Applicant of Cited Document	Date of Publication or Filing Date of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Office	NUMBER	Kind Code (if known)			

OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published.	T
		Hamamatsu Photonics K.K., "PPM - Programmable Phase Modulator," 4 pages, September 2000, < <a href="http://www.hamamatsu.com">http://www.hamamatsu.com</a> >.	
		CRL Opto Limited, LCS2-G Datasheet, 4 pages, 2002, < <a href="http://www.crlphoto.com/products/datasheets/files/LCS2-datasheet.pdf">http://www.crlphoto.com/products/datasheets/files/LCS2-datasheet.pdf</a> >.	
		Boulder Nonlinear Systems, "Liquid Crystal Rotators - Ferroelectric and Nematic," 2 pages, < <a href="http://www.bnonlinear.com/papers/rotators.pdf">http://www.bnonlinear.com/papers/rotators.pdf</a> >.	
		Boulder Nonlinear Systems, "Liquid Crystal Shutters / Variable Optical Attenuators - Ferroelectric and Nematic," 2 pages, < <a href="http://www.bnonlinear.com/papers/shutters.pdf">http://www.bnonlinear.com/papers/shutters.pdf</a> >.	
		Boulder Nonlinear Systems, "512x512 Multi-level/Analog Liquid Crystal Spatial Light Modulator," 2 pages, < <a href="http://www.bnonlinear.com/papers/512SLM.pdf">http://www.bnonlinear.com/papers/512SLM.pdf</a> >.	
		Boulder Nonlinear Systems, "256x256 Multi-level/Analog Liquid Crystal Spatial Light Modulator," 2 pages, < <a href="http://www.bnonlinear.com/papers/256SLM.pdf">http://www.bnonlinear.com/papers/256SLM.pdf</a> >.	
		Digital Optics Corporation, "Pattern Generators," 1 page, 2002, retrieved from the Internet on July 30, 2003, < <a href="http://www.digitaloptics.com/products_ind.asp?pid=55">http://www.digitaloptics.com/products_ind.asp?pid=55</a> >.	
		Micro-Optics, Inc., "Polarization Maintaining Faraday Rotator (PMFR)," 1 page, retrieved from the Internet on July 30, 2003, < <a href="http://www.microopticsinc.com/PMFR.html">http://www.microopticsinc.com/PMFR.html</a> >.	

EXAMINER	DATE CONSIDERED
*EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application(s).	